



# SERVICE MANUAL REVISION

740-1
Revision Number
11 November 1988
Date

**AFFECTING:**

Product BOBCAT LOADER  
Model 741, 742, 743 & 743DS  
Manual No. 6566109 (4-88)

ROUTE TO ATTENTION	
PARTS MANAGER	<input type="checkbox"/>
SERVICE MANAGER	<input checked="" type="checkbox"/>
SALES MANAGER	<input type="checkbox"/>

**NOTICE** Insert This Sheet With The Appropriate Manual For Future Reference.

The following pages are a revision to the 741, 742, 743 & 743DS Service Manual P/N 6566109 (4-88).

Take out and put in the revised pages as listed below:

**TAKE OUT**

2-7, 2-8

**PUT IN**

2-7 (Revised Nov. 88), 2-8

**MELROE  
INGERSOLL-RAND**



# SERVICE MANUAL REVISION

740-2
Revision Number
14 March 1989
Date

ROUTE TO ATTENTION	
PARTS MANAGER	<input type="checkbox"/>
SERVICE MANAGER	<input checked="" type="checkbox"/>
SALES MANAGER	<input type="checkbox"/>

**AFFECTING:**

Product BOBCAT LOADER

Model 741, 742, 743 & 743DS

Manual No. 6566109 (4-88)

## NOTICE

Insert This Sheet With The Appropriate Manual For Future Reference.

The following pages are a revision to the 741, 742, 743 & 743DS Service Manual P/N 6566109 (4-88).

Take out and put in the revised pages as listed below:

**TAKE OUT**

4-7, 4-8

7A-5, 7A-6

7C-19, 7C-20

**PUT IN**

4-7 (Revised Mar. 89), 4-8

7A-5 (Revised Mar. 89), 7A-6 (Revised Mar. 89)

7C-19 (Revised Mar. 89), 7C-20

**MELROE**  
**INGERSOLL-RAND**



# SERVICE MANUAL REVISION

740-3
Revision Number
23 April 1990
Date

ROUTE TO ATTENTION	
PARTS MANAGER	<input type="checkbox"/>
SERVICE MANAGER	<input checked="" type="checkbox"/>
SALES MANAGER	<input type="checkbox"/>

**AFFECTING:**

Product BOBCAT LOADER

Model 741, 742, 743 & 743DS

Manual No. 6566109 (4-88)

**NOTICE** Insert This Sheet With The Appropriate Manual For Future Reference.

The following pages are a revision to the 741, 742, 743 & 743DS Service Manual P/N 6566109 (4-88).

Take out and put in the revised pages as listed below:

**TAKE OUT**

7C-25, 7C-26

**PUT IN**

7C-25, 7C-26 (Revised Apr. 90)



# SERVICE MANUAL REVISION

740-4
Revision Number
23 April 1990
Date

ROUTE TO ATTENTION	
PARTS MANAGER	<input type="checkbox"/>
SERVICE MANAGER	<input checked="" type="checkbox"/>
SALES MANAGER	<input type="checkbox"/>

**AFFECTING:**

Product BOBCAT LOADER  
Model 741, 742, 743 & 743DS  
Manual No. 6566109 (4-88)

**NOTICE** Insert This Sheet With The Appropriate Manual For Future Reference.

The following pages are a revision to the 741, 742, 743 & 743DS Service Manual P/N 6566109 (4-88).

Take out and put in the revised pages as listed below:

**TAKE OUT**

- 1-9
- 2-7 (Revised Nov. 88), 2-8
- 2-17, 2-18
- 2-19, 2-20
- 4-5, 4-6
- 4-11, 4-12
- 4-13, 4-14
- 4-17, 4-18
- 4-19, 4-20

743DS Engine Wiring Diagram (P/N 6570758)  
(Printed April 1988)

- 6-13, 6-14
- 6-15, 6-16
- 6-17, 6-18
- 6-19

Engine Service Tab Page  
7A-17, 7A-18  
7A-19, 7A-20  
Engine Service Tab Page (743 Kubota)  
7C-3, 7C-4  
7C-19 thru 7C-39

Tab Pages  
All of 8A-1 thru 8D-4

**PUT IN**

- 1-9 (Revised Sept. 90)
- 2-7 (Revised Sept. 90), 2-8
- 2-17, 2-18 (Revised Sept. 90)
- 2-19 (Revised Sept. 90), 2-20
- 4-5 (Revised Sept. 90), 4-6 (Revised Sept. 90)
- 4-11, 4-12 (Revised Sept. 90)
- 4-13 (Revised Sept. 90), 4-14
- 4-17, 4-18 (Revised Sept. 90)
- 4-19 (Revised Sept. 90), 4-20
- 743DS Engine Wiring Diagram (P/N 6570758)  
(Printed September 1990)
- 743DS Engine Wiring Diagram (P/N 6720564)  
(Printed September 1990)
- 6-13 (Revised Sept. 90), 6-14
- 6-15 (Revised Sept. 90), 6-16 (Revised Sept. 90)
- 6-17 (Revised Sept. 90), 6-18 (Revised Sept. 90)
- 6-19 (Revised Sept. 90)
- Engine Service Tab Page (Revised Sept. 90)  
7A-17, 7A-18 (Revised Sept. 90)  
7A-19 (Revised Sept. 90), 7A-20
- Engine Service Tab Page (Revised Sept. 90)  
7C-3, 7C-4 (Revised Sept. 90)  
7C-19 thru 7C-39 (Revised Sept. 90)
- Engine Service Tab Page (742 Mitsubishi) (Added Sept. 90)  
7D-1 thru 7D-57 (Added Sept. 90)
- New Tab Page and  
8A-1 thru 8E-4 (Revised Sept. 90)

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**INGERSOLL-RAND**



# SERVICE MANUAL REVISION

740-5
Revision Number
28 November 1990
Date

**AFFECTING:**

Product BOBCAT LOADER

Model 741, 742, 743 & 743DS

Manual No. 6566109 (4-88)

<b>ROUTE TO ATTENTION</b>	
PARTS MANAGER	<input type="checkbox"/>
SERVICE MANAGER	<input checked="" type="checkbox"/>
SALES MANAGER	<input type="checkbox"/>

**NOTICE** Insert This Sheet With The Appropriate Manual For Future Reference.

The following pages are a revision to the 741, 742, 743 & 743DS Service Manual P/N 6566109 (4-88).

Take out and put in the revised pages as listed below:

**TAKE OUT**

2-39, 2-40

**PUT IN**

2-39, 2-40 (Revised Nov. 90)



# SERVICE MANUAL REVISION

740-6
Revision Number
5 June 1991
Date

ROUTE TO ATTENTION	
PARTS MANAGER	<input type="checkbox"/>
SERVICE MANAGER	<input checked="" type="checkbox"/>
SALES MANAGER	<input type="checkbox"/>

**AFFECTING:**

Product BOBCAT LOADER  
Model 741, 742, 743 & 743DS  
Manual No. 6566109 (4-88)

**NOTICE** Insert This Sheet With The Appropriate Manual For Future Reference.

The following pages are a revision to the 741, 742, 743 & 743DS Service Manual P/N 6566109 (4-88).

Take out and put in the revised pages as listed below:

**TAKE OUT**

7C-23 (Revised Sept. 90), 7C-24 (Revised Sept. 90)  
8C-3, 8C-4 (Revised Sept. 90)  
8C-5 (Revised Sept. 90)  
TECHNICAL DATE-TAB PAGE (Added Sept. 90)  
8E-3 (Added Sept. 90), 8E-4 (Added Sept. 90)

**PUT IN**

7C-23 (Revised Sept. 90), 7C-24 (Revised June 91)  
8C-3 (Revised June 91), 8C-4 (Revised June 91)  
8C-5 (Revised June 91), 8C-6 (Added June 91)  
TECHNICAL DATE-TAB PATE (Revised June 91)  
8E-3 (Revised June 91), 8E-4 (Added Sept. 90)

**MELROE**  
**INGERSOLL-RAND**



# SERVICE MANUAL REVISION

740-7
Revision Number
5 August 1991
Date

**AFFECTING:**

Product BOBCAT LOADER

Model 741, 742, 743 & 743DS

Manual No. 6566109 (4-88)

ROUTE TO ATTENTION	
PARTS MANAGER	<input type="checkbox"/>
SERVICE MANAGER	<input checked="" type="checkbox"/>
SALES MANAGER	<input type="checkbox"/>

**NOTICE** Insert This Sheet With The Appropriate Manual For Future Reference.

The following pages are a revision to the 741, 742, 743 & 743DS Service Manual P/N 6566109 (4-88).

Take out and put in the revised pages as listed below:

**TAKE OUT**

3-3, 3-4

**PUT IN**

3-3 (Revised Aug. 91), 3-4

**MELROE**  
**INGERSOLL-RAND**



# SERVICE MANUAL REVISION

740-8
Revision Number
9 January 1992
Date

ROUTE TO ATTENTION	
PARTS MANAGER	<input type="checkbox"/>
SERVICE MANAGER	<input checked="" type="checkbox"/>
SALES MANAGER	<input type="checkbox"/>

**AFFECTING:**

Product BOBCAT LOADER

Model 741, 742, 743 & 743DS

Manual No. 6566109 (4-88)

**NOTICE** Insert This Sheet With The Appropriate Manual For Future Reference.

The following pages are a revision to the 741, 742, 743 & 743DS Service Manual P/N 6566109 (4-88).

Take out and put in the revised pages as listed below:

**TAKE OUT**

2-3, 2-4  
2-5, 2-6

7A-5 (Revised Mar. 89), 7A-6 (Revised Mar. 89)  
7C-5, 7C-6  
7C-31 (Revised Sept. 90), 7C-32 (Revised Sept. 90)  
8C-3 (Revised June 91), 8C-4 (Revised June 91)

**PUT IN**

HYDRAULIC/HYDROSTATIC FLOW CHART  
For Models  
742B & 743B  
(With 3-Spool Melroe Control Valve)  
Chart #6722141 (Printed January 1992)

HYDRAULIC/HYDROSTATIC SYSTEM OPERATION  
To Be Used With  
HYDRAULIC/HYDROSTATIC FLOW CHART  
For Models  
742B & 743B  
(With 3-spool Melroe Control Valve)  
Chart #6722141 (Printed January 1992)

2-3 (Revised Jan. 92), 2-4  
2-5 (Revised Jan. 92), 2-6

7A-5 (Revised Mar. 89), 7A-6 (Revised Jan. 92)  
7C-5 (Revised Jan. 92), 7C-6 (Revised Jan. 92)  
7C-31 (Revised Jan. 92), 7C-32 (Revised Sept. 90)  
8C-3 (Revised June 91), 8C-4 (Revised Jan. 92)





# SERVICE MANUAL REVISION

740-9
Revision Number
5 November 1996
Date

<b>ROUTE TO ATTENTION</b>	
PARTS MANAGER	<input type="checkbox"/>
SERVICE MANAGER	<input checked="" type="checkbox"/>
SALES MANAGER	<input type="checkbox"/>

**AFFECTING:**

Product BOBCAT LOADER  
Model 741, 742, 743 & 743DS  
Manual No. 6566109 (4-88)

**NOTICE** Insert This Sheet With The Appropriate Manual For Future Reference.

The following pages are a revision to the 741, 742, 743 & 743DS Service Manual P/N 6566109 (4-88).

Take out and put in the revised pages as listed below:

**TAKE OUT**

3-5, 3-6  
3-7, 3-8

4-17, 4-18 (Revised Sept. 90)  
4-19 (Revised Sept. 90), 4-20

7A-17, 7A-18 (Revised Sept. 90)  
7A-19 (Revised Sept. 90), 7A-20  
7A-21, 7A-22  
7A-25, 7A-26

7B-5, 7B-6

ENGINE SERVICE (Mitsubishi 742)  
TAB PAGE (Added Sept. 90)

7D-11 (Added Sept. 90), 7C-12 (Added Sept. 90)

**PUT IN**

3-5, 3-6 (Revised Nov. 96)  
3-7 (Revised Nov. 96), 3-8 (Revised Nov. 96)

4-17, 4-18 (Revised Nov. 96)  
4-19 (Revised Nov. 96), 4-20

7A-17 (Revised Nov. 96), 7A-18 (Revised Sept. 90)  
7A-19 (Revised Nov. 96), 7A-20 (Revised Nov. 96)  
7A-21 (Revised Nov. 96), 7A-22  
7A-25 (Revised Nov. 96), 7A-26

7B-5 (Revised Nov. 96), 7B-6

ENGINE SERVICE (Mitsubishi 742)  
TAB PAGE (Revised Nov. 96)

7D-11 (Added Sept. 90), 7D-12 (Revised Nov. 96)

**MELROE**  
**INGERSOLL-RAND**



# SERVICE MANUAL REVISION

740-10
Revision Number
10 October 1997
Date

**AFFECTING:**

Product BOBCAT LOADER

Model 741, 742, 743 & 743DS

Manual No. 6566109 (4-88)

ROUTE TO ATTENTION	
PARTS MANAGER	<input type="checkbox"/>
SERVICE MANAGER	<input checked="" type="checkbox"/>
SALES MANAGER	<input type="checkbox"/>

## NOTICE

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The following pages are a revision to the 741, 742, 743 & 743DS Service Manual P/N 6566109 (4-88).

Take out and put in the revised pages as listed below:

**TAKE OUT**

Section 7B

**PUT IN**

Section 7B (Revised Oct. 97)